

Date: Wed, 9 Mar 94 04:30:24 PST  
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>  
Errors-To: Ham-Equip-Errors@UCSD.Edu  
Reply-To: Ham-Equip@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Equip Digest V94 #57  
To: Ham-Equip

Ham-Equip Digest                      Wed, 9 Mar 94                      Volume 94 : Issue    57

Today's Topics:

                    AM audio on Kenwood TS-430 (stinks!)

            Does anyone make a better AM filter for the TS-50? (2 msgs)

                    Mods for HTX-100.

            Motorola manuals getting more expensive?

                    PL scan on FT530?

            Reviving Old Equipment

                    SALE ITEMS

                    Sidebands

                    ts60 (2 msgs)

            wanted ts 940, 811, 711, 140, 680 at dayton hamfest

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>  
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 8 Mar 1994 15:35:22 GMT  
From: ihnp4.ucsd.edu!agate!boulder!eesnyder@network.ucsd.edu  
Subject: AM audio on Kenwood TS-430 (stinks!)

To: ham-equip@ucsd.edu

I recently bought a used Kenwood TS-430. I am pretty happy with it  
except for one problem. The audio when receiving AM signals (in  
AM mode) stinks. There is very little high end to the signal and  
it basically sounds like there is a pillow over the speaker. I can  
often make it sound better by tuning 1 kHz off the frequency (in  
either direction-- so I know it is centered properly) or even  
switch to one of the sideband modes (either will work so I know the  
signal I am listening to is not actually SSB). Does any one have

and suggestions on to how to correct this problem?

Many thanks,

Eric E. Snyder  
Department of MCD Biology ...making feet for childrens' shoes.  
University of Colorado, Boulder  
Boulder, Colorado 80309-0347

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Date: 8 Mar 94 14:58:43 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!vixen.cso.uiuc.edu!aries!  
hawley@network.ucsd.edu  
Subject: Does anyone make a better AM filter for the TS-50?  
To: ham-equip@ucsd.edu

dbraun@scdtintel.com (Doug Braun ) writes:

>I like my TS-50, but the cheap 2-pole stock AM filter  
>is not that great for listening to SW broadcasts.  
>Does anyone know if it's possible to get an aftermarket  
>AM filter for the TS-50? Unfortunately, this radio  
>uses a non-standard (for AM/SSB, at least) IF of 10.7 MHz.

Has anyone noticed the raspy sound of CW on the TS50....  
conditions are in CW mode, CW filter installed but not  
selected, and tuned to an offset of 1KHz or more. I don't  
remember the raspy sound before I installed the filter, but  
it shouldn't make any diff since I don't have it turned on.  
If I tune around, I can get a pure sounding tone at a lower  
offset....800 Hz maybe.....or maybe it comes and goes. It  
sounds kind of like a square wave at times. This is mobile  
w/ a bugcatcher style antenna.  
Thanks.....Chuck Hawley, KE9UW.

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Date: 8 Mar 1994 16:12:16 GMT  
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!  
howland.reston.ans.net!math.ohio-state.edu!news.acns.nwu.edu!casbah.acns.nwu.edu!  
rdewan@network.ucsd.edu  
Subject: Does anyone make a better AM filter for the TS-50?  
To: ham-equip@ucsd.edu

In article <hawley.763138723@aries>,  
Chuck Hawley <hawley@aries.scs.uiuc.edu> wrote:

>dbraun@scdtintel.com (Doug Braun ) writes:  
 >  
 >  
 >>I like my TS-50, but the cheap 2-pole stock AM filter  
 >>is not that great for listening to SW broadcasts.  
 >>Does anyone know if it's possible to get an aftermarket  
 >>AM filter for the TS-50? Unfortunately, this radio  
 >>uses a non-standard (for AM/SSB, at least) IF of 10.7 MHz.

Try IRCI. They announced a few filters for the TS50. They advertise regularly in the QST.

>Has anyone noticed the raspy sound of CW on the TS50....  
 >conditions are in CW mode, CW filter installed but not  
 >selected, and tuned to an offset of 1KHz or more. I don't  
 >remember the raspy sound before I installed the filter, but  
 >it shouldn't make any diff since I don't have it turned on.  
 >If I tune around, I can get a pure sounding tone at a lower  
 >offset....800 Hz maybe.....or maybe it comes and goes. It  
 >sounds kind of like a square wave at times. This is mobile  
 >w/ a bugcatcher style antenna.  
 >Thanks.....Chuck Hawley, KE9UW.  
 >

I have the same set-up: TS50 and the Texas Bugcatcher. And I have the filter installed. I have not noticed the raspy sound. But then again, I almost always have the narrow filter on. I will check again. I really like the radio. With the narrow filter selected, the audio signal peaks nicely and makes it very easy to zero beat.

The only down side is that I have to leave the mic connected to use the four programmable buttons on the mic. I have set them up to change the power level, split reverse, sideband reverse for CW and CW filter select.

In the last few days, I have been using it on 20m with just 10w out. Never had to call more than twice to have a qso. Great fun. Mobile qrp (almost).

Rajiv		dit	1	dit
aa9ch			1	
r-dewan@nwu.edu	*****		=	
	* rajiv	aa9ch/m	*	=
	* r-dewan	@nwu.edu	*	1
	* iambic	cmos super2	*	1
	***** kwd ts50	tx bugcatcher	*	1
	*			*1
	*	***	***	*H

\* \* \* \* \*  
base\* \*kenwd850\*vert\*80mloop\* \*kent\*\*  
\*\*\* \*\*\*

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Date: 5 Mar 94 15:03:25 GMT  
From: envoy!equinox.unr.edu!destree@uunet.uu.net  
Subject: Mods for HTX-100.  
To: ham-equip@ucsd.edu

If someone has the mods for the HTX-100 could you please send them to me?

73's de Louis

--  
Louis A. Destree University of Nevada, Reno  
destree@unr.edu <> destree@equinox.bitnet Electrical Engineering  
Amateur Radio: N7XNX (General Class) Bike: 1980 Honda CB750C  
"Of all the things I've lost in life, I miss my mind the most!"

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Date: Mon, 7 Mar 1994 17:48:02 GMT  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!news.intercon.com!psinntp!  
psinntp!psinntp!pixar!bruce@network.ucsd.edu  
Subject: Motorola manuals getting more expensive?  
To: ham-equip@ucsd.edu

I just attempted to order a UHF Micor service manual from the Motorola parts order line. When I last bought a VHF Micor service manual, it cost \$11.50 . This time they wanted \$50 for the UHF Micor manual. They want \$150 for a Syntor service manual.

Have they raised prices? Is this a result of their misguided security program?

Bruce Perens AB6YM

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Date: 6 Mar 94 05:17:08 GMT  
From: netcomsv!netcom.com!wy1z@decwrl.dec.com  
Subject: PL scan on FT530?  
To: ham-equip@ucsd.edu

I've tried the instructions in the manual to active PL scan (F/M, SET,

F/M, T SET), but the HT didn't seem to care.

It has been modified for wide band receive (Pad 13 mod).

Funny thing though - the reference pages at the beginning of the manual for the HT mention that the same keystrokes above have no affect on the HT.

What gives?

Thanks.

I might just include the right answer as a mod file to the World mod archive files.

73,  
Scott, WY1Z

--

```
=====
| Scott Ehrlich      Amateur Radio: wylz      AMPRnet: wylz@wa1phy.ampr.org |
| Internet: wylz@neu.edu  BITnet: wylz@NUHUB    AX.25: wylz@wa1phy.ma.usa.na |
|-----|
|      Maintainer of the Boston Amateur Radio Club hamradio FTP area on      |
| the World - ftp.std.com  pub/hamradio      |
|=====
```

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Date: 5 Mar 94 17:32:53 GMT  
From: olivea!tardis!tymix.Tymnet.COM!niagara!flanagan@ames.arpa  
Subject: Reviving Old Equipment  
To: ham-equip@ucsd.edu

In article <2knvpb\$5jg@tymix.Tymnet.COM> I wrote:  
>Back in 1972 I decided to indulge myself and bought a Drake Line:

>  
> R-4B Receiver  
> T-4XB Transmitter  
> AC-4 Power Supply  
> MS-4 Speaker  
> L-4B Linear Amp  
> C-4 Station Console  
> MN-2000 Antenna Tuner  
>

>After using the station for about ten hours, I found I had to relocate  
>across the country. The brand new equipment went back into their

>plastic bags and factory boxes. Life went on. . . .

>

>After more than twenty-one years, those boxes are still unopened.

I then went on to ask for comments on the best way to re-introduce this equipment to the world in general and to power in particular. I received several very helpful responses (Thank You, everyone!) and one very interesting proposition.

One of the net members has offered to trade me his Kenwood TS-940S (with built-in antenna tuner) for the whole lot and he will take full responsibility for the electrical condition of my equipment. He says the TS-940S is worth \$1250 on the current used equipment market. I am intrigued by his offer and, therefore, ask the following additional questions of the net:

IS a TS-940S w/ built-in antenna tuner (and CW filter) worth \$1250?

What is the net's opinion of the TS-940S?

Would this trade be a good deal for me?

Thanks, as usual, for all your help. . . .

Dick, W6OLD

--

Dick Flanagan, CFII-G  
Libelle Productions, Minden, NV  
Voice/FAX: +1 702 782 8644

Grob Speed Astir "DY"  
MCI Mail: 412-2140  
GEnie: FLANAGAN

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Date: 6 Mar 94 06:22:05 GMT  
From: dockmaster.phantom.com!wb3cpf@uunet.uu.net  
Subject: SALE ITEMS  
To: ham-equip@ucsd.edu

I have a few items for sale:

IC 2AT w/leather case and box (no battery).....\$60  
Paccomm HandiPacket portable TNC w/all access...\$150  
Both in box, you pay shipping. E Mail: wb3cpf@phantom.com

Also UHER professional portable hi-fi cassette recorder, w/ case, pwr supply, schematics, manual, box.....\$150  
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Date: 8 Mar 94 16:09:27 -0500  
From: yale.edu!noc.near.net!eisner!brown\_mi@yale.arpa  
Subject: Sidebands  
To: ham-equip@ucsd.edu

In article <CROUNG.23.2D7B44ED@PHYSICS.watstar.uwaterloo.ca>,  
CROUNG@PHYSICS.watstar.uwaterloo.ca writes:

>  
> Can anyone out there tell me what the upper and lower sideband  
> means. For example what is the difference between the upper sideband of  
> 3.860 MHz and the lower sideband of 3.860 MHz.  
>

3.860MHz  
|  
LSB | USB  
3.857MHz\_\_\_\_\_3.863MHz

Ok Chris. It has been a while since I've been through the 'ole EE Communications Class, but here it goes. Let's say we have an amplitude modulated signal (AM). The carrier frequency is in the middle, and on the sides are the "sidebands". The sidebands carry the information we need to reproduce the voice, the music, or whatever was modulating the carrier. In a traditional AM mode, the carrier is present and both of the sidebands are present. This is what is used by your friendly AM broadcast station on the car radio. The other two modes that I remember are DSBSC (double sideband suppressed carrier) and SSBSC (single sideband suppressed carrier). What some great man in the early years of radio discovered was that all we really need to reproduce audio from the signal is one of the sidebands. We really don't even need the carrier present. Thus, SSBSC. DSSBSC leaves both side bands, but filters out the carrier. In the amateur radio world, we use SSBSC for most voice communications in the HF bands (1.6 MHz to 30MHz). This allows us to squeeze more conversations in our small bandspace because we only have one sideband and no carrier. (SSB is also used on other ham frequencies, and AM w/carrier and both sidebands is also used).

That's it at a very high level. I've intentionally left out some details because (a) I don't remember them all and (b) they probably would just confuse matters. If you need more info, grab a hold of a book at the local library. Look for anything with Communcations and Theory in the title. Good Luck, and would you be interested in becoming a ham?

73, Mike N90PG

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Date: 3 Mar 1994 16:58:05 GMT  
From: tinman2!hammer!tardis@uunet.uu.net

Subject: ts60  
To: ham-equip@ucsd.edu

hi,

does anyone know if the rig just has 6m receive capability or if it has a "general coverage"+6m receive capability? would be nice if it did.

bob

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Date: Wed, 9 Mar 1994 03:45:18 GMT  
From: netcomsv!netcom.com!henrys@decwrl.dec.com  
Subject: ts60  
To: ham-equip@ucsd.edu

Bob Citkowski (tardis@atd.mke.ab.com) wrote:

: hi,

: does anyone know if the rig just has 6m receive capability or if it has a  
: "general  
: coverage"+6m receive capability? would be nice if it did.

: bob

The TS-60 receives from 40MHZ to 60MHZ and transmits from 50MHZ to 54MHZ.

It is a very nice 6 meter radio with 100 memories, CW, SSB, FM and AM modes, 90 watts, excellant scanning capabilities and other nice features.

It is expensive, however, about \$999, last time I checked.

Email me if you want more info.

Smitty, NA5K

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| Henry B. Smith - NA5K | henrys@netcom.com |  
| Dallas, Texas |  
| |  
"I'm not sure I understand everything that I know"



-----  
Date: Tue, 8 Mar 1994 06:52:40 GMT  
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!news.msfc.nasa.gov!  
sol.ctr.columbia.edu!caen!malgudi.oar.net!news.yzu.edu!news.cps.udayton.edu!  
dmapub!apontej@network.ucsd.edu  
Subject: wanted ts 940, 811, 711, 140, 680 at dayton hamfest  
To: ham-equip@ucsd.edu

[ Article crossposted from rec.radio.amateur.antenna ]  
[ Author was Jose Aponte ]  
[ Posted on Tue, 8 Mar 1994 06:04:34 GMT ]

I am interested in any of the above... needs to be a good  
contest radio... will have to try out. need to see the  
serial port command page to make sure it is compatible with  
certain software package. indicate if cat serial port box  
is available...  
73's from kp4uy

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Date: Wed, 9 Mar 1994 01:59:46 GMT  
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!  
gscott@network.ucsd.edu  
To: ham-equip@ucsd.edu

References <2l8gp3\$ikl@l11l-winken.llnl.gov>, <2lebkc\$kmk@hpscit.sc.hp.com>,  
<2lh20r\$auf@bigfoot.wustl.edu>  
Subject : Re: GPS Receiver Boards

Jesse L Wei (j1w3@cec3.wustl.edu) wrote:  
: Richard Karlquist (rkarlqu@scd.hp.com) wrote:  
: : The Motorola GPS receiver is less than \$150 in 100's. It has six  
: : channels and just about all the features you would ever want.

: The question is: who's going to be buying in 100's?

I'll take one. Now you only have 99 more to get rid of!

Gavin

--

Gavin Scott - Quest Software Inc - gavin@quests.com -or- gscott@netcom.com

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Date: 8 Mar 1994 05:21:31 GMT

From: ihnp4.ucsd.edu!swrinde!gatech!howland.reston.ans.net!wupost!  
bigfoot.wustl.edu!cec3!j1w3@network.ucsd.edu  
To: ham-equip@ucsd.edu

References <jyoungberg.1.000B87CC@draper.com>, <2l8gp3\$ik1@111-winken.11n1.gov>,  
<2lebkc\$kmk@hpscit.sc.hp.com>c3  
Subject : Re: GPS Receiver Boards

Richard Karlquist (rkarlqu@scd.hp.com) wrote:  
: The Motorola GPS receiver is less than \$150 in 100's. It has six  
: channels and just about all the features you would ever want.

: Rick Karlquist N6RK  
: rkarlqu@scd.hp.com

The question is: who's going to be buying in 100's?

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End of Ham-Equip Digest V94 #57

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